AMENDMENTS IN THE CLAIMS

1. (Currently Amended) A method for associating instrumentation data with a hardware description language (HDL) simulation model within a batch simulation farm in which a simulation client communicates with an instrumentation server to process simulation data with respect to said HDL simulation model, said method comprising:

delivering an instrumentation eventlist from said simulation client to said instrumentation server, wherein said eventlist contains instrumentation event information for said HDL simulation model; [[and]]

within said instrumentation server[[:]] , computing a first digital signature that uniquely identifies contents of said instrumentation eventlist as being associated with said HDL simulation model; [[and]]

within said simulation client, collecting aggregate instrumentation event information resulting from simulation of said HDL simulation model, wherein said aggregate instrumentation event information is included within said simulation data;

generating an aggregate instrumentation event packet that includes said aggregate instrumentation event information and further includes a second digital signature that identifies said aggregate instrumentation event information;

delivering said aggregate instrumentation packet to said instrumentation server; and

in response to said instrumentation server receiving ~~simulation data from said simulation client, utilizing said first digital signature to associate said simulation data with said simulation model~~ said aggregate instrumentation packet:

comparing the second digital signature with the first digital signature;

responsive to the second digital signature matching the first digital signature, processing said aggregate instrumentation packet within said instrumentation server; and

responsive to the second digital signature not matching the first digital signature, discarding said aggregate instrumentation packet.

2. (Original) The method of claim 1, further comprising generating said eventlist within an instrumentation load tool.

3. (Currently Amended) The method of claim 2, wherein said generating said eventlist comprises, during model build of said one simulation model, producing a set of files containing information detailing the exact number and content of instrumentation events associated with said HDL simulation model.

4. (Original) The method of claim 3, wherein said set of files is produced such that each file designates a single class of instrumentation events.

5. (Currently Amended) The method of claim 1, wherein said instrumentation server computes said first digital signature utilizing a cyclic redundancy check algorithm, said method further comprising computing [[a]] said second digital signature within said simulation client utilizing said cyclic redundancy check algorithm.

6. (Canceled)

7. (Canceled)

8. (Currently Amended) A system for associating instrumentation data with a hardware description language (HDL) simulation model within a batch simulation farm in which a simulation client communicates with an instrumentation server to process simulation data with respect to said HDL simulation model, said system comprising:

processing means for delivering an instrumentation eventlist from said simulation client to said instrumentation server, wherein said eventlist contains instrumentation event information for said simulation model; [[and]]

within said instrumentation server[[:]] , processing means for computing a first digital signature that uniquely identifies contents of said instrumentation eventlist as being associated with said simulation model; [[and]]

processing means within said simulation client, for collecting aggregate instrumentation event information resulting from simulation of said HDL simulation model, wherein said aggregate instrumentation event information is included within said simulation data;

processing means for generating an aggregate instrumentation event packet that includes said aggregate instrumentation event information and further includes a second digital signature that identifies said aggregate instrumentation event information;

processing means for delivering said aggregate instrumentation packet to said instrumentation server; and

processing means responsive to said instrumentation server receiving ~~simulation data from said simulation client for utilizing said first digital signature to associate said simulation data with said simulation model~~ said aggregate instrumentation packet for:

comparing the second digital signature with the first digital signature;

responsive to the second digital signature matching the first digital signature, processing said aggregate instrumentation packet within said instrumentation server; and

responsive to the second digital signature not matching the first digital signature, discarding said aggregate instrumentation packet.

9. (Original) The system of claim 8, further comprising processing means for generating said eventlist within an instrumentation load tool.

10. (Currently Amended) The system of claim 9, wherein said processing means for generating said eventlist comprises processing means for producing a set of files containing information detailing the exact number and content of instrumentation events associated with said HDL simulation model.

11. (Original) The system of claim 10, wherein said set of files is produced such that each file designates a single class of instrumentation events.

12. (Currently Amended) The system of claim 8, wherein said instrumentation server computes said first digital signature utilizing a cyclic redundancy check algorithm, said system further comprising processing means for computing [[a]] said second digital signature within said simulation client utilizing said cyclic redundancy check algorithm.

13. (Cancelled)

14. (Cancelled)

15. (Currently Amended) A ~~computer program product~~ computer-readable medium having encoded thereon computer-executable instructions for associating instrumentation data with a hardware description language (HDL) simulation model within a batch simulation farm in which a simulation client communicates with an instrumentation server to process simulation data with respect to said HDL simulation model, said ~~computer program product~~ computer-executable instructions performing a method comprising:

~~program instruction means for~~ delivering an instrumentation eventlist from said simulation client to said instrumentation server, wherein said eventlist contains instrumentation event information for said HDL simulation model; [[and]]

within said instrumentation server[[:]] , ~~program instruction means for~~ computing a first digital signature that uniquely identifies contents of said instrumentation eventlist as being associated with said simulation model; [[and]]

within said simulation client, collecting aggregate instrumentation event information resulting from simulation of said HDL simulation model, wherein said aggregate instrumentation event information is included within said simulation data;

generating an aggregate instrumentation event packet that includes said aggregate instrumentation event information and further includes a second digital signature that identifies said aggregate instrumentation event information;

delivering said aggregate instrumentation packet to said instrumentation server; and

~~program instruction means responsive~~ in response to said instrumentation server receiving ~~simulation data from said simulation client for utilizing said first digital signature to associate said simulation data with said simulation model~~ said aggregate instrumentation packet:

comparing the second digital signature with the first digital signature;

responsive to the second digital signature matching the first digital signature, processing said aggregate instrumentation packet within said instrumentation server; and

responsive to the second digital signature not matching the first digital signature, discarding said aggregate instrumentation packet.

16. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 15, said method further comprising ~~program instruction means for~~ generating said eventlist within an instrumentation load tool.

17. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 16, wherein said ~~program instruction means for~~ generating said eventlist comprises ~~program instruction means for~~ producing a set of files containing information detailing the exact number and content of instrumentation events associated with said HDL simulation model.

18. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 17, wherein said set of files is produced such that each file designates a single class of instrumentation events.

19. (Currently Amended) The ~~computer program product~~ computer-readable medium of claim 15, wherein said instrumentation server computes said first digital signature utilizing a cyclic redundancy check algorithm, said ~~computer program product~~ method further comprising ~~program instruction means for~~ computing [[a]] said second digital signature within said simulation client utilizing said cyclic redundancy check algorithm.

20. (Canceled)

21. (Canceled)